

# SEA EAGLE<sup>®</sup>.com



## Stealth Stalker

Sea Eagle STS10

Instruction & Owner's Manual

For video instructions visit [SeaEagle.com/Instructions](https://SeaEagle.com/Instructions) or scan the QR code below!

**Sea Eagle Boats Inc.**  
19 N. Columbia Street, Suite 1  
Port Jefferson, NY 11777  
1-800-748-8066

January 2023



## **Congratulations on purchasing a Sea Eagle!**

With over 50 years of experience in designing, selling and using these quality inflatables, we're confident that you are going to love your Sea Eagle and we're ready to proudly stand behind them.

### **Sea Eagle Warranty**

All Sea Eagle products come standard with a 3 year warranty against manufacturing defects. The warranty begins the date that your product is delivered.

See complete warranty details at [SeaEagle.com/Warranty](http://SeaEagle.com/Warranty).

If you receive a damaged item, please call the shipping carrier to report the issue. Do not return damaged merchandise until it has been inspected by the carrier. Sea Eagle will be notified by the carrier when they have completed their inspection and if necessary, Sea Eagle will arrange for the repair or replacement of damaged merchandise.

### **Decals, Stickers & Registration**

Always contact your state kayaking authorities for information on kayaking registration and regulations. Most states require you to register your boat if you are using a motor. ***\*The Sea Eagle STS10 is rated for use with up to a 4 hp motor with 20" long shaft.***

Upon registration it may be required to provide the Manufacturer's Statement of Origin. Purchases made through an authorized dealer or reseller may require for you to contact them directly in order to obtain this. You may be charged your own state sales tax if you were not charged sales tax at the time of purchase.

Registered boats generally require for the registration number to be applied to the boat. We do not recommend the use of decals or stickers as they tend to crack and peel over time with the repeated inflation and deflation of your Sea Eagle. Instead we suggest applying these numbers to a small piece of hard plastic or marine plywood and hanging it from your boat like a license plate if permitted by your state. Another method is to apply the numbers to the hull using either PVC based paint or permanent marker.

### **Contact Us**

Unlike many other companies today we pride ourselves on answering the phone and helping you with any concerns, questions or special ordering needs that you may have! Feel free to give us a call at **1-800-748-8066** and we will be happy to talk with you! Our business hours are Monday to Friday from 9AM to 5PM, EST.

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# SAFETY

In a manual of this type it is impossible to give adequate space to the topic of water safety. For further information on boating safety, visit [USCGBoating.org](http://USCGBoating.org) or enroll in a water safety course given by a local provider.

As a safety reminder, each Sea Eagle has a safety summary we call Boating Safety Basics printed on it. Please follow these suggestions and use good boating safety practices. In addition to the basics, we suggest you have a reasonable swimming ability and know that it is safer to go boating with a buddy. If you go alone, tell someone your float plan as described below. When possible, plan your trip so you go upwind on the way out and downwind on the way back.

## Boating Safety Tips

- Always wear a USCG approved PFD (life vest) at all times while on the water.
- Be aware of your local boating rules and regulations and abide by them accordingly.
- Check inflation levels each time before you go out and inflate your boat for a full 24 hours before undertaking long trips.
- DO NOT allow children to use your Sea Eagle unsupervised.
- DO NOT consume alcohol while boating or operating a boat while under the influence of alcohol or drugs.
- DO NOT drag your Sea Eagle over pavement or cement (eg: parking lot or boat ramp) if it can be avoided.
- DO NOT exceed the certified maximum capacities of this boat under any circumstance.
- DO NOT go boating alone.
- DO NOT use compressors, CO<sub>2</sub> or compressed air for inflation, only use Sea Eagle recommended pumps.
- DO NOT use your Sea Eagle Boat as a personal flotation device as they are not rated for that use.
- DO NOT sleep inside of your Sea Eagle while on the water.
- Bring a fully charged cell phone or other emergency contact device in a waterproof bag.
- Always tell someone of your boating plans.

## Right of Way

Stay out of boat channels whenever possible. Be prepared to yield right of way to larger boats especially if the oncoming boat has structures such as cabins or open hatches that limit visibility of the waters ahead.

## Safety Equipment & Important Safety Items

Water conditions will determine the type of safety equipment needed. At a minimum have a PFD (personal flotation device) and a whistle for each passenger. PFDs are required by law in most places.

**Drinking Water & Snacks:** Boating is a physical activity that can deplete your reserves. Have enough water and snacks to prevent dehydration and loss of stamina. Bring enough water for all passengers. Know the warning signs of dehydration and heat sickness such as dizziness and shaking.

**Extra Clothes/Layers:** Avoid deadly hypothermia. Water conducts heat faster than air, so go prepared with weather proof clothing especially if the water is cold. Use a “dry bag” to store extra clothing inside so they’re not damp when needed. Wear a wetsuit or drysuit when warranted.

**First Aid-Kit:** Contents of the kit may vary depending on your preferences but be sure to include items that match the hazards you are likely to encounter. A waterproof container is recommended.

**Manual Pump/Repair Kit:** Although our boats are both durable and rugged, it may be possible that you need to make a repair while on the water in which case you’ll need the repair kit and a manual pump to re-inflate the boat. If this is your first repair, you may also want to bring this instruction manual with you.

**Sun/Rain Protection:** A hat can protect both your face and head from the rain or sun. Sunscreen will help prevent serious damage to your skin from the sun and the sun’s reflection from the water. Reapply sunscreen as needed.

**Whistle:** Having a whistle readily available to you in case of emergency is a great way to attract the attention of others if assistance is needed.

**Float Plan:** Similar to a pilot’s Flight Plan, consider having a Float Plan ([www.floatplancentral.org](http://www.floatplancentral.org)). Always tell someone where you are going to be boating and what time you plan to return. Keep a cell phone in a waterproof container that will float if it falls in the water.

# SAFETY

Boating is challenging and inherently dangerous. Follow safe boating practices. Be physically fit enough to meet the challenges, prepared for any weather conditions that might be anticipated, and follow the safety basics. Protect all personal items in a waterproof bag. Secure all accessories to the boat.

## Motor Safety and Reboarding



*Warning:* Spinning propellers and carbon monoxide produced by gas engines can cause serious injury or death.

- Do not approach a running motor from the water.
- If you or your passenger falls overboard, **do not attempt to reboard in the motor mount area.**
- Turn engine off at a safe distance when approaching a swimmer in the water.
- Install propeller guard on gas motors

If the motor is equipped with an engine safety cutoff (kill) switch, the driver must attach the cable to themselves, either around the thigh or wrist, or to clothing (preferably a life jacket). In addition:

- Test regularly to ensure that the engine stops when the kill cord is pulled from the switch.
- Make sure that the kill cord is in good condition.
- Always attach the kill cord securely to the driver, ideally before the engine is started, but certainly before the boat is put in gear.
- Stop the engine before transferring the kill cord to another driver.
- Wireless kill switches are available and each passenger can wear one.

### Reboarding:

To get back in the boat from the water, hold the oarlock with one hand. Stay low in the water and with a big scissor kick and pull on the oarlock, grab on of the seats and throw one leg over onto the boat. Roll into the boat.

### Warning Labels:


Safety Instructions/Boating Safety Basics are glued to the inside of the left chamber mid-ship.

### Safety Training

Completion of an approved boating safety course is recommended for all operators of powered boats, and is required for junior operators in many jurisdictions.


# OPERATING YOUR SEA EAGLE


**Working Pressure:** Maximum recommended pressure is 3.2 psi (.22 bar).

 **Warning:** Over pressurization could lead to catastrophic failure and sudden release of compressed air. Serious injury to persons nearby could result. Maximum recommended pressure is 3.2 psi (.22 bar).

As air is compressed it heats up and expands. Warm air occupies more volume than cool air. If the water is cold, warm air in the boat will shrink and some rigidity will be lost. Allow a few minutes for the boat to cool off in the water, and if needed, top it off with enough pump strokes to bring it back up to pressure. The boat could also appear to lose pressure overnight if the nighttime temperature drops significantly below the daytime temperature.

The Stealth Stalker holds a lot of air! Inflating with the manual pump is hard work and takes approximately 15 minutes with breaks to inflate the boat. The exercise from inflating the boat may be valuable, but often kayaking time is limited and it is better to get out on the water as quickly as possible. An electric pump is recommended for achieving that goal.

 **Caution:** Inflating the boat manually is physically demanding. Pace yourself. If you feel uncomfortable, stop and rest, do not proceed if you are having a health issue.

 **Caution: BEFORE & DURING USE:** Whether the boat is in its bag or inflated, avoid damage; do not drag your Sea Eagle over abrasive surfaces like asphalt parking lots, gravel or concrete boat ramps, . Carry or wheel your Sea Eagle from the car to the setup point, and then into the water when assembled.

Rocks and sticks usually will not damage a Sea Eagle but be alert for partially hidden or submerged hazards like metal signs, shopping carts and other debris especially during periods of low water. Be careful of docks which may have exposed nails or screws.

**FISH SPINES:** Many species of fish have sharp spines than can cause small punctures in the STS10. Do not allow fighting fish to bump the boat. Use a net to pull fish out of water when possible.

## Capacity Ratings and Dimensions:

**Persons:** 4 Persons

**Total Weight Capacity:** 1200 lbs

**Maximum Engine Rating:** 4 HP, 20" Shaft recommended for gas motors

**Chambers:** 3

**Length:** 10' 1"

**Boat Weight:** 45 lbs (122 lbs with floorboard, motormount, oars, seats & rod holders.)

**Width:** 5'


**Material:** PVC



Persons Capacity

## Compliance

Sea Eagle boats comply with ABYC Standards, US Coast Guard standards for recreational boats and labeling for compliance with California proposition 65.

 **Warning:** This product can expose you to chemicals including DEHP (Di(2-ethylhexyl)phthalate), which is known to the state of California to cause Cancer, Birth Defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Invasive Species Control:** Introduction of non-native plants and animal is a serious problem that can irreversibly harm local habitats. If your boat is to be used in multiple waterways, remove the floorboards, drain the boat, disinfect all items with a sanitizer such as a mild bleach solution, or allow to air dry before launching in a new waterway. Check local requirements for decontamination. Procedures are sometimes posted near launch ramps and put-in points. Sea Eagle boats are constructed of chemical resistant PVC, sanitizers will not damage the material. Steam cleaning is also acceptable.

# OPERATING YOUR SEA EAGLE

## Motor Selection

The STS-10 can take an electric trolling motor or small gas motor up to 4 hp. Because of its light weight, the STS-10 only needs a small trolling motor such as the Watersnake Venom 34 or Minn Kota Endura 30. For gas motors, a 20" shaft ("long shaft") is recommended.

## Gas Powered

Some of the advantages of gas motors over electric trolling motors include; increased range over battery powered motors, ample power against a headwind, and they do not require a heavy marine deep cell battery or expensive lithium ion batteries. Disadvantages include; high initial cost, maintenance costs and gasoline storage. A 20" long shaft works best. A 15" short-shaft motor will work only at low speed and the boat must be weighted towards the rear, otherwise the propeller will pull air down from the surface.

The STS-10 is a "displacement hull" that does not plane, it pushes up a wave at the bow and cannot overcome the wave. A gas motor can provide more power than the STS-10 can take advantage of. In calm conditions, the speed of the boat is limited to its hull speed of approximately 4 mph. Beyond a certain setting, approximately ¼ throttle, the motor may shake, ventilate (pull air down to the propeller), or the sound may change to a deep rumbling with no increase in speed (lugging). For these reasons, using more than a small motor like a Honda 2.3 hp is not needed.

Torqueedo and similar electric motors are powerful like gas motors and perform like gas motors..

## Electric Trolling Motor

Some advantages of trolling motors are; their low cost, light weight, ease of storage, low maintenance requirements, quiet operation, and usability in bodies of water that prohibit gas motors.

There are some basic features to know in order to understand electric motors. The thrust rating of a motor is also its maximum electrical draw in amps. A 30 lb thrust motor draws about 30 amps on the highest setting. To extend range, operate the motor on a lower setting. For example, the Watersnake Venom 34 has five settings, and draws approximately 12 amps on the #3 power setting. Watersnake and Minn Kota trolling motors can easily push the STS-10 to its hull speed. According to Minn Kota, their trolling motor propellers are pitched to push a boat at approximately 4 mph. A larger thrust motor will not appreciably raise the speed of the boat, but could help in a strong headwind.

In a river or tidal current, the STS-10 cannot make progress against a current that is more than its hull speed or the speed of the trolling motor. Forward speed will vary depending on conditions, but if the current is moving faster than the boat can go, it cannot make headway and may go backwards relative to land. Because of the limits of a displacement hull, adding a larger motor may not be effective.



**Built-In Rod Holders**



**Built-In Fish Rulers**




**Anchor & Anchor Lock (Optional)**

## Battery Selection

A wide range of acceptable batteries are available. The battery must be 12 volt (unless otherwise stated by the manufacturer), deep cycle, and between about 20 and 120 Amp Hours (Ah). Amp hours is a very important number, if the battery you are looking at doesn't clearly state the amp hours, it may not be suitable. A 12v deep cycle lead-acid battery, personal watercraft battery, electric vehicle (wheelchair) battery, or lithium ion battery is acceptable. A Group 24 lead-acid battery or smaller is recommended for the STS-10. Group 24 batteries weigh approximately 50 lbs and hold approximately 75 Ah of charge. Bigger batteries, like Group 27 batteries weigh approximately 60 lbs, hold approximately 100 Ah, but can be difficult to safely manage in a small inflatable boat.

## Battery Features and Safety for Trolling Motors

- To determine a motor's approximate run time, divide the amp hour rating by the motor or thrust amperage. For example, a battery rated at 60 Ah connected to a 30 amp motor will last approximately two hours at full speed. Note: this number will vary depending on conditions.
- Not more than 85% discharge is recommended. Multiply the above by 0.85 to get best run time. Running the battery all the way down will shorten its life.
- Charge battery after each use. Lead acid batteries like to be kept charged.
- Exposure to excessive heat will shorten battery life.
- Cold Cranking Amps (CCA) and starting power are not a consideration.
- 12v automobile, lawn tractor and motorcycle batteries can be used but are not designed for deep discharge and will wear out more quickly.
- A battery box like the Minn Kota Power Center is recommended, especially around aluminum paddle shafts which could cause an electrical short. It has a built-in circuit breaker. It will keep bare skin and clothes protected if any acid leaks from the battery.
- A circuit breaker provides important protection to the motor. See Circuit Breaker section below.
- Positive (+) red wire connects to positive (+) battery terminal. Black wire to negative terminal (-).
-  **Caution:** Do not attach the motor wires to the wrong battery terminals. Connecting to the wrong terminals can cause wires to heat up, melting the insulation and cutting through the boat.
- A 12v battery charger will be needed. A charger with at least three phases (fast charge, slow charge and maintenance) is recommended. Chargers are widely available and prices range widely.
- Choose gel cell over wet cell. Gel will be less likely to leak acid or get ruined if submerged.
- Lithium or high quality AGM batteries can be a good choice even if they are more expensive. They are generally lighter, discharge evenly for longer run times, and charge evenly for a longer life. Lithium batteries require specific chargers, check the specs before buying a charger.
- For some, two small batteries are better than one large, heavy one. A small backup battery can be helpful too.

## Circuit Breaker to Prevent Overvoltage Distraction to Trolling Motors

A circuit interrupter (breaker or fuse) is needed to protect against overvoltage, reverse polarity, and shorts. Overvoltage can happen when the propeller gets bound up in weeds, fishing line, or anchor line. The battery will keep providing electric current until the motor burns out. Often smoke can be smelled or seen when this happens. Overvoltage can damage the motor beyond repair. Protection of an ungrounded current-carrying conductor is a Coast Guard requirement as well.

Check the trolling motor manual for the size circuit interrupter recommended. If the manufacturer's information is not available, get one that has an amperage rating that is more than the thrust rating, but as close to the thrust rating as possible. For example, if the motor is rated for 45 lbs thrust, the closest rated breaker may be rated for 50 amps.

## StealthStalker| SETUP: One Time Assembly

There are some items that require one time assembly. Once installed they may remain in place when the boat is rolled up after use or require partial assembly for use.

\*\*Not all items described below are included with all boat packages.



### Attach Seat Mounts to Floorboards

Non-skid textured surface faces upward in boat. Seat release attaches to rough surface.

Needed: #2 (medium) or #3 phillips head screwdriver.



### Seat Mounts

Each floor board has holes for a quick-release seat mount.

Hardware per seat mount:  
4 - 1-1/2" flathead screws  
4 - T-nuts

Insert screws through holes in seat mount.



With rough side facing up, point mount tab towards long edge of floorboard and place mount over screw holes. Stand floorboard up on its edge so it is easier to work on. On the bottom side of board, begin turning T-nuts onto the screws.

Note: If holes are partially covered by filler or paint, clear holes with screwdriver, file or similar tool.



Hold T-nuts with finger tip. Use screwdriver to tighten screws.



STS10 is equipped with Scotty Glue-on pads: one bow, one stern. These are primarily intended for Scotty Anchor Lock, but can be used for Scotty rod holders, triple mounts, fish finder display, transducer, cameras, bait boards, etc.



### Scotty® Deck Mounts (OPTIONAL):

Locate the Scotty Deck Mounts and 7/8" screws. Screws are located in the Orange Repair Kit.

Note: The Rod Holder Base has a quick release button.

The Anchor Lock Base uses a twist lock system. Operation see page 9.



Use the screws to secure the mounting base to the pad. Orient the base so arrow points inboard.

**⚠ Caution:** Puncture hazard: do not thread screws into base without the Scotty Deck Mount.



### Don't Stab The Pad!

Use **only** 1/4 - 20 x 7/8" screws provided in the orange repair kit. Longer screws, pointed screws, etc., will puncture the air chamber.

Puncturing the air chamber in this manner is not covered under the warranty.



## StealthStalker| SETUP: One Time Assembly



**Swivel Seat/Pedestal**  
Secure the seat to the pedestal using the 1/2" carriage bolts and locking nuts



Offset the swivel base so you have enough room to insert the screws and thread the nuts. Tighten the nuts securely.

**⚠ Caution:** Before each use, check screws that attach swivel seat to the plastic seat and locking nuts that attach swivel to pedestal. Loose fasteners could lead to a fall and injury.



### Setup: A41 Large Bellows Foot Pump

The A41 foot pump comes with a Recessed Valve Adapter. A spare adapter is in the repair kit too. Adapters have either a red or black gasket. Black gasket, which is thinner, may work better with STS10.



### Using the A41 Large Bellows Foot Pump:

Open the pump by pushing down and releasing the black clip.

## StealthStalker| SETUP: Valves & Pump



**Using the Recessed Valves:**  
Remove the cap to access the valve stem.



Slide the ribbed end of the Recessed Valve Adapter to the open end of the hose.



Press and turn the stem counterclockwise so it can pop UP. When the stem is up, the valve is closed and will hold air.

To let air escape for deflation, press and turn the stem clockwise until locked open.



Screw hose into OUT port on pump. Make sure it is threaded in correctly and firmly for a good seal.



Locate an area large enough to safely unfold the STS10. Check that the area is free of hazards that could injure you or damage the boat.



If installing floorboards without a helper, place a tackle box or something similar under one side of the floorboards in the middle of boat.



**Floorboards**

Push the floorboards into position. The boat may be very stiff when first opened making the floorboards difficult to install. Open the valves to allow some air to move inside. Adding some air to the chambers may help too.



Pull boards upward until they can be joined together by the H-bar.




**Floorboards Overlap**

The floorboards will overlap 4-6 inches in the middle. Rod holders must be clear of the boards or under the boards so boards can be lifted in the middle without hanging up on the rod holders. As a precaution, put the valve caps in the valve to prevent them from being accidentally pulled off by the floorboards.



Once floorboards are joined together, remove prop and push down on floorboards until flat.

 **Caution:** Keep fingers out of gap.



With the wide side facing up, place the long strut onto the edge of one board. Lift the boards from the middle and insert the edge of the other board into the strut. Press down until fully seated. This step is best done with two people. At this time, floorboards do not need to be pushed all the way to the back or front of boat.



Insert the side struts, flat side down.

If any of the side material is under the floorboards, it must be pulled out. Straddle the boat and hold the board down with one foot while pulling up on the side of the boat.



While the boat is deflated or partially inflated, slide motor lower mount bars into lower grommets.



Slide upper motor mount bars into top grommets. Push bars onto the grommets until they are fully seated.




**Inflation**  
Close the valves. Twist the valve stem clockwise and allow the stem to pop up. This will close the valve for inflation.



Insert the valve adapter into the valve and turn it to lock the hose in place. *Having trouble inserting the adapter? See troubleshooting on page 14.* Inflate each chamber until it is very firm. You cannot over inflate with the Sea Eagle A41 foot pump.



**Swivel Seat**  
Slide the base of the pedestal into the seat mount until you hear it lock. To remove, lift the tab and slide out.

 **Caution:** Check wingnuts and tighten if necessary before each use.



**Quick Release Base:**  
Push stem into base until it clicks. To rotate or remove rod holder, press button and pull rod holder upwards. To adjust rod angle, loosen large black knob until teeth clear grooves. Adjust angle and retighten.



**Anchor Lock Base:**  
Line up the slot in the stem with key in the base. Slide stem into base. To spin the Anchor Lock, lift slightly and turn it. To remove it, turn it until the key and slot line up and pull it out.



Turn Anchor Lock so anchor hangs overboard. An 8-12 lb. mushroom or river anchor works well with the STS-10.



**Stow Bag**

Insert the male clip into the female part installed on the boat.



**Canopy (OPTIONAL)**


Canopy kit includes two curved bars, two side rods, canvas, two black knobs and two 35mm (1 3/8") screws.

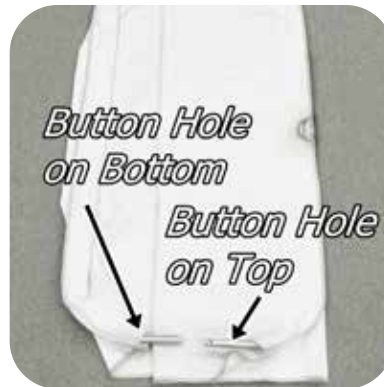
Additional hardware may be included that is not for use on the STS10.



**Oars**

The pair of two-part oars snap together quickly.

 **Caution: Pinching Hazard.** Keep skin clear of joint when pushing oar shafts together.



Layout canvas upside down (shiny side up).

Slide one curved bar into the canvas sleeve with locking holes up.

Slide the second bar into the other sleeve with locking holes facing down.



Hold the pin down and insert the blade end into the handle end of the oar until the two parts snap together and the pin pops out of the hole locking the pieces together.



Fold the top over so side bars are lying on top of each other.

Insert the side rods into the curved bars until the locking pins engage through the holes.



Attach oars to boat by inserting the oar lock pin through the hole in the oar.

Screw the ball tightly to secure oar.

Use the hook & loop closure to keep the oar in place when not in use.



Place canopy on the back of the boat with the short bars on top.



For ease of installation, lift canopy up off the back of the boat so the side rods line up with the grommet holes. Insert 35mm screw through the grommet and rod. Use knob to secure the screw. Repeat on the other side.



**Floor Drains**

Floor drains are intended to drain accumulated water while ashore.



Insert 35mm screw through the grommet and rod. Use knob to secure the screw. Repeat on the other side.

A Phillips head screw driver may be needed for this step.



Unscrew caps to open floor drains. If needed, remove cap from its retainer ring so water drains freely without interference from cap. If drains leak, refer to Troubleshooting page 16.

**Your Sea Eagle Stealth Stalker is ready to go!**

**Pro Solo**



**WaterSnake Motor Canopy**



Attach front straps to D-Rings near front seat. Attach back straps to D-Rings at the back of the boat.



Adjust and tighten straps by sliding the buckles. Canopy canvas should be level and tight.




Place the inflated boat onto its Boat Bag. Line up the front (bow) with the edge of the bag where the end flap is attached



Fold the second side on top of the first and force air out. The boat will be long and narrow with the front of the boat laying on the main part of the bag.



To deflate, push down on the valve stem and quarter turn it to the right or left. The stem will stay in the down position, allowing the air to escape.

 **Caution:** Air escapes with force, do not place face directly over valve.



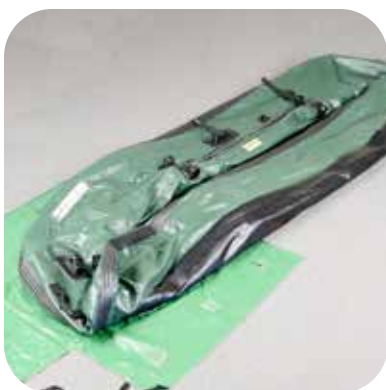
Make a crease in the boat just in front of the side rod holders, about 40 inches from the back end. Fold the back of the boat on top of the sides.



Remove the canopy, oars, and Scotty accessories. As the boat deflates, remove the motor mount and side stringers. Pull the floorboards up where they meet in the middle. Remove the floorboards.



Make a second fold so the boat is over the center of the bag



Fold one side of the boat onto the floor. Press down on the boat to force air out.



Pull the end flaps on top of folded boat. Run strap through both loops, then back through the first loop and pull tight. Repeat with second strap.

## StealthStalker | DEFLATION



Pull the side flaps on to the end flaps and secure with the straps.

## StealthStalker | CLEANING & PROTECTING

Dry after each use to avoid mold. **While washing or rinsing: close the valve and twist the cap on so water cannot enter the chamber.** Sea Eagles can be cleaned very effectively with general purpose cleaning products and a scrub brush. Towel dry.

### Protection from the Sun and Heat

Avoid leaving the boat in direct sunlight when ashore. Temperatures on a beach, dock, davit, etc. can get very high, which could affect the vinyl or glue. Excessive exposure to sun and heat can cause your Sea Eagle to become sticky or cause the glue to fail.

Treat the boat with a UV protectant such as 303 Aerospace Protectant. Generally, protectants are a thin film of oil, which will help keep your Sea Eagle clean and protected from UV damage. Avoid applying protectant on the EVA pad or places where foot traction is needed. Treated boat will repel sand, water scum and tar stains.

## StealthStalker | STORAGE

If you're planning to leave your Sea Eagle outside, keep it raised off the ground and covered so it is not exposed to sunlight, rain, leaves, berries, bird droppings, etc.

**Storage Tips:** *"The best way to store a Sea Eagle is folded up in it's bag".* - Cecil Hoge, Jr., Sea Eagle President

- Check for water in the chambers. Water will leak out of open valves when it is rolled up.
- Water left inside can leak out and cause a lot of mold. Dry thoroughly to prevent mold.
- Rodent-proof the storage area. Mice, squirrels and other small rodents can do a lot of damage.
- Avoid excess heat. Do not store in direct sunlight, in an attic or a metal shed.
- In temperatures below freezing, do not drop, strike or unroll until it is brought to room temperature.

## StealthStalker | CLEANING & PROTECTING

- It can be stored inflated. If hung, support it along its length.
- After storage, inspect for loose items, damage and leaks.

## StealthStalker | TROUBLE SHOOTING



### Troubleshoot Valve Adapter

Adapter will not turn in valve opening. Remove red gasket and twist it tightly to stretch it. Once broken in, adapter will turn easily.



Reinstall gasket, groove must be facing outward. Press adapter into valve opening with force and turn it to the right.

If valve opens and air rushes out when removing adapter, pull on hose then twist adapter to left.

If your Sea Eagle has lost pressure, it does not necessarily mean it is leaking. If it is inflated during the heat of the day and the temperature drops during the night it will be softer in the morning. If launching in very cold water, the air inside may contract and cause a loss of pressure. Add more air to restore to full pressure. If temperature is not a factor and your boat is losing air pressure, it's time to look for a leak. Follow these 4 steps to help locate the leak.

### Step #1. LOOK

Visually inspect the boat close up and if necessary, flip it over and closely check the outside. Any large leaks when your boat loses a considerable amount of air should be clearly visible.

### Step #2. LISTEN

If you have a rough idea of where your leak is but can't see it, you may want to try listening for it as you may be able to hear the air escaping and pinpoint the leak.

### Step #3. TIGHTEN

Check the tightness of the one-way recessed valves as well and if necessary, tighten them with the valve wrench included in the repair kit canister.

## StealthStalker | REPAIRS

### Step #4. SOAPY WATER TEST

You'll need a bucket and liquid dish washing soap. Fill the bucket with clear water, and add a good squirt of soap (couple of tablespoons) to the water. Inflate the leaking chamber to full pressure. Spread lots of soapy water on the leaking chamber with a hand towel or large sponge. Don't assume the leak is coming from the valve or seams. The leak may produce bubbles, make hissing or sputtering noises, or spray water. Spray bottles are not effective at locating many leaks.



## StealthStalker | REPAIRS

Even though Sea Eagles are very rugged and tough, you may still experience the occasional puncture. Fortunately most repairs are fairly easy and only take a few minutes. For extensive repairs, please contact us directly to provide you with further assistance. The best way to do this is to e-mail us a digital photo of the area in question along with your hull identification number to [staff@seaeagle.com](mailto:staff@seaeagle.com).

You can also call us directly at **1-800-748-8066** and ask to speak with Technical Support for further assistance or a quote for having your boat mailed to our facilities for our professional repair services.

Sea Eagle repair fees start at \$75.00 and do not include return shipping charges. Please note that Sea Eagle does not service any other brand other than our own. All items sent to our repair facilities must have prior authorization in the form of a Return Authorization Number.

### Repair Kit

All Sea Eagles come standard with a repair kit which includes PVC patches and PVC glue. Repair kits also include a valve wrench.



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### PVC Based Glue

To patch your Sea Eagle, use an adhesive for PVC boats. Plumber's cement, epoxy, Flex Seal, water-proofing sprays and Gorilla Glue do not work.



### Pinholes

Deflate the boat and thoroughly clean and dry the area that is to be repaired. For small punctures less than 1/8" apply a small drop of glue and allow 24 hours to cure.



### Patching

The most common repairs are a puncture or small cut. A penny size patch is sufficient for repairs of this type.



Trace the outline of a penny on the patch material and on the boat. If a larger patch is needed, use a larger item as a template.







Cut patch along the outline with scissors.



Pro Tip: Trace the outline of the penny on masking tape and cut with a utility knife. Apply tape to the boat instead of tracing on the boat.



Apply glue to the patch and boat. Allow to dry 15 minutes. Glue must be dry to the touch. If glue layer is thin, apply second coat, allow to dry 15 minutes.



Apply patch to the boat. Smooth with finger or a smoothing tool such as a spoon, handle of a utility knife, or screwdriver. For best results, heat patch with a hair dryer 10-20 seconds and smooth with tool.

### Patching Tips:

- The chamber must be deflated or the air will force a path through the glue.
- Keep the patch size to a minimum, the bigger the patch, the harder it is to seal. The most common repair failures occur because the patch is too big.
- For repairs larger than a puncture, overlap the damage area by about ½" on each side.
- Do not apply the patch while the glue is wet.
- Covering a leaking patch with another patch rarely fixes the problem. To remove a patch, heat it with a hair dryer and peel it off.
- For field repairs, allow at least an hour to cure. Other repairs, allow to cure overnight.
- Patches can be removed by heating with a hairdryer.
- **Never** use a heat gun on your boat.
- Clamps and weights are not needed.

For a demonstration of good patching technique, please view the **How to Repair** video on the instruction page of our web site. There is a link at the bottom of every page at **SeaEagle.com** or type "instructions" into the search box.

### Floor Drains

If you suspect the drains are leaking, prop the front of the boat up and fill it with enough water to cover the drains. If water is leaking:

- Clear any sand in the threads
- Heat drain bases with a hair dryer (30 seconds).

Bases can become misshapen when boat is tightly folded for long periods. Heating will return base to its original shape. Replace cap when done.



**Caution:** Do not allow hot hairdryer element to touch base. Hot element will melt base.

### Contact Us

Unlike many other companies today we pride ourselves on answering the phone and helping you with any concerns, questions or special ordering needs that you may have! Feel free to give us a call at **1-800-748-8066** and we will be happy to talk with you! Our business hours are Monday to Friday from 9AM to 5PM, EST.

#### Sea Eagle Boats Inc.

19 N. Columbia Street, Suite 1  
Port Jefferson NY 11777

1-800-748-8066  
staff@seaeagle.com

## StealthStalker | OPTIONAL ACCESSORIES



Sea Eagle offers a large array of accessories for your StealthStalker.



### Personal Flotation Devices (OPTIONAL)

U.S.C.G. approved. Life jackets, paddling vest, PFD Belts available in various sizes.



### Life Jacket Whistle (OPTIONAL)

Bright orange whistle can clip onto your life jacket or used with the included lanyard to hang around your neck or wrist. Whistle has no parts or balls that can jam or corrode.



### See-me Safety Light (OPTIONAL)

Coast Guard approved LED personal safety light emits a 360° light visible up to 3.4 miles. It also attaches to a PFD!



### BTP Turbo Electric Pump (OPTIONAL)

These electric pumps come with battery clamps, a nylon shoulder carry bag, hose and adapters.



### EZ Cart Wide (OPTIONAL)

Transport your Boat from your car to the water and back with ease. Quickly assembles & disassembles.



### 303 Protectant (OPTIONAL)

Extends the life of your Sea Eagle. Simply spray on every 30-45 days to improve resistance to UV, chemical & other types of harmful exposure.